

Theme of qualifying work:

The organization of the system and access control

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Information about customer organization: Ministry of science and higher education of the Russian Federation, Federal state budgetary educational institution of higher professional education "Pyatigorsk state University"

Topicality of the research: is that the security of the premises of any organization is the basis of its successful work, and the correct choice of control systems and access control helps to resist the threats of financial losses.

Objective: improvement of the monitoring system and access control of the "Pyatigorsk state University".

Objectives: to characterize the companies of the "Pyatigorsk state University", to perform system monitoring and access control in the institution, continue to explore the basic methods and means of system of control and access control and to develop a set of measures to improve the system of control and access management in the institution.

Theoretical and practical significance of the research: to achieve our goals and solving the tasks we used methods of investigation of the existing system of information security in the institution, in addition, we used methods of comparison of control system and access control to further improve the information security in the institution.

The results of the study: after studying institutions in General and the system of control and access control identified several defects in the protection:

1. The lack of equipment to restrict access to the territory of enterprises.
2. The lack of protective bars on the Windows in the principal's office and classrooms where the use of expensive equipment.
3. The lack of protection of the principal's office from unauthorized access by breaking the door.
4. The lack of two-factor authentication for extra protection of confidential information in personal computers of the Director and Deputy Director.

Recommendations: in accordance with the allocated deficiencies have been proposed measures for their elimination:

1. The acquisition and installation of hydraulic bollard for the best protection and limit access to any area of the body.
2. Installation of transparent bars on the Windows "POLYPROTECT" new generation for extra protection of expensive equipment and confidential information in the classroom and in the office of the Directorate.
3. The purchase and installation of the door to the principal's office kit electromagnetic lock with remote control from unauthorized access.
4. Acquisition and installation of a biometric reader of fingerprints to increase security of confidential data in personal computers of the Director and Deputy Director.